

This Page Is Inserted by IFW Operations
and is not a part of the Official Record

BEST AVAILABLE IMAGES

Defective images within this document are accurate representations of the original documents submitted by the applicant.

Defects in the images may include (but are not limited to):

- BLACK BORDERS
- TEXT CUT OFF AT TOP, BOTTOM OR SIDES
- FADED TEXT
- ILLEGIBLE TEXT
- SKEWED/SLANTED IMAGES
- COLORED PHOTOS
- BLACK OR VERY BLACK AND WHITE DARK PHOTOS
- GRAY SCALE DOCUMENTS

IMAGES ARE BEST AVAILABLE COPY.

**As rescanning documents *will not* correct images,
please do not report the images to the
Image Problem Mailbox.**

	*	20	*	40	*	60	
0826	:	----	MRVFAISINQKVCDDIFGLVFRDITTLNSINATHHQAQIFDYSKITEGGL	:	52		
lex2b	:	----	-----	MFITPTFLNLEKSIDRKAYMOQFELLESNN-	:	32	
lob1	:	----	MNQSIQNSQSIQNSQSIQNSQSVFVNLKFAERHSHSHQFPAFOHP	:	69		
19tB	:	----	-----	MQNHVISLASSAER-----RAHFDADTGR-	:	25	

	*	80	*	100	*	120	*	1		
0826	:	HP	LVKXHLHPYFTTQNIK	MGCTT	NLISEVSKFYATK	KYHAKFMS	LGELG	GCYASHYSLWEKCI	ELNBA-	: 120
lex2b	:	-	LQEIHF	FDAL	TKSNEN	HP	LP	LN	LN	: 94
lob1	:	D	LVNVOE	FI	GN	QPN	PL	LN	LN	: 132
lgtB	:	-	G	IP	Q	EL	DAL	----	PSER	: 83

	40	*	160	*	180	*	200		
0826 :	ICICLEDITL---	KEDFKEGEDT	TEKHQI	ELGYIR	MLLLDAS	VKSEPL	SHKNHEIQER	MGITKANS : 185	
lex2b :	IIVLEDDAKF---	GNPFEVDE	FINADKN	IFEEFWLLP	PRKNKRI	---	ELNTECN	LSIYSPSK : 152	
lob1 :	IIVLEDDAIL---	QNPRIAYQ	FCFAEN	OROF	LIHSN	SSKIRTK	ELHILPLPSTK	IECHYF : 192	
19tB :	IIVLEDDVIL	EGEGEKPL	EDAW	QERFDP	BTAFIVR	ELTMMF	MLTSPS---	GVADYCG	RAPPLLES : 148

	*	220	*	240	*	260	*
0826 :	EGVGHQGV	LIIPKIANVLEK	---	CSFKMVPVDITM	---	DATFIHGVKNVLOP	RYVAD
1ex2b :	GFAGATGV	LTPOARKELT	---	OSKEMVYVDVIM	---	DREFENKVPYAIVP	ICLETG
lob1 :	GYSNATGV	LTPOAKQKFLD	---	SSQEWYNVVDIFM	---	DREYENHVALTGVP	PCVKRP
19tB :	EHWEATGV	LTSKMVFTEFLD	---	RFFAALPPEGLHPVDLMMFS	---	DFEDREGMBVCQLNPALCAQCEIHYAKFH	DQ

	280	*	300	*	320	*			
0826	: --EQISTIAK	----	EPY	----	SPKALWREELHFK	----	YIKWGV	----	: 273
lex2b	: --EIESIIVEQ	----	KKOR	----	SLKIVIRELENL	----	KTNKRSLNLPH	----	: 247
lob1	: --SKOSQITMN	----	KNR	----	TFWKLREYDAL	----	LEKRELVWTCYC	----	: 287
19tB	: NSAIGSLIEHDLRLNR	QORDSPANTKHKLRAL	KISREREXKREKREK	VPFQ	----				: 275

Fig. 1

2/5

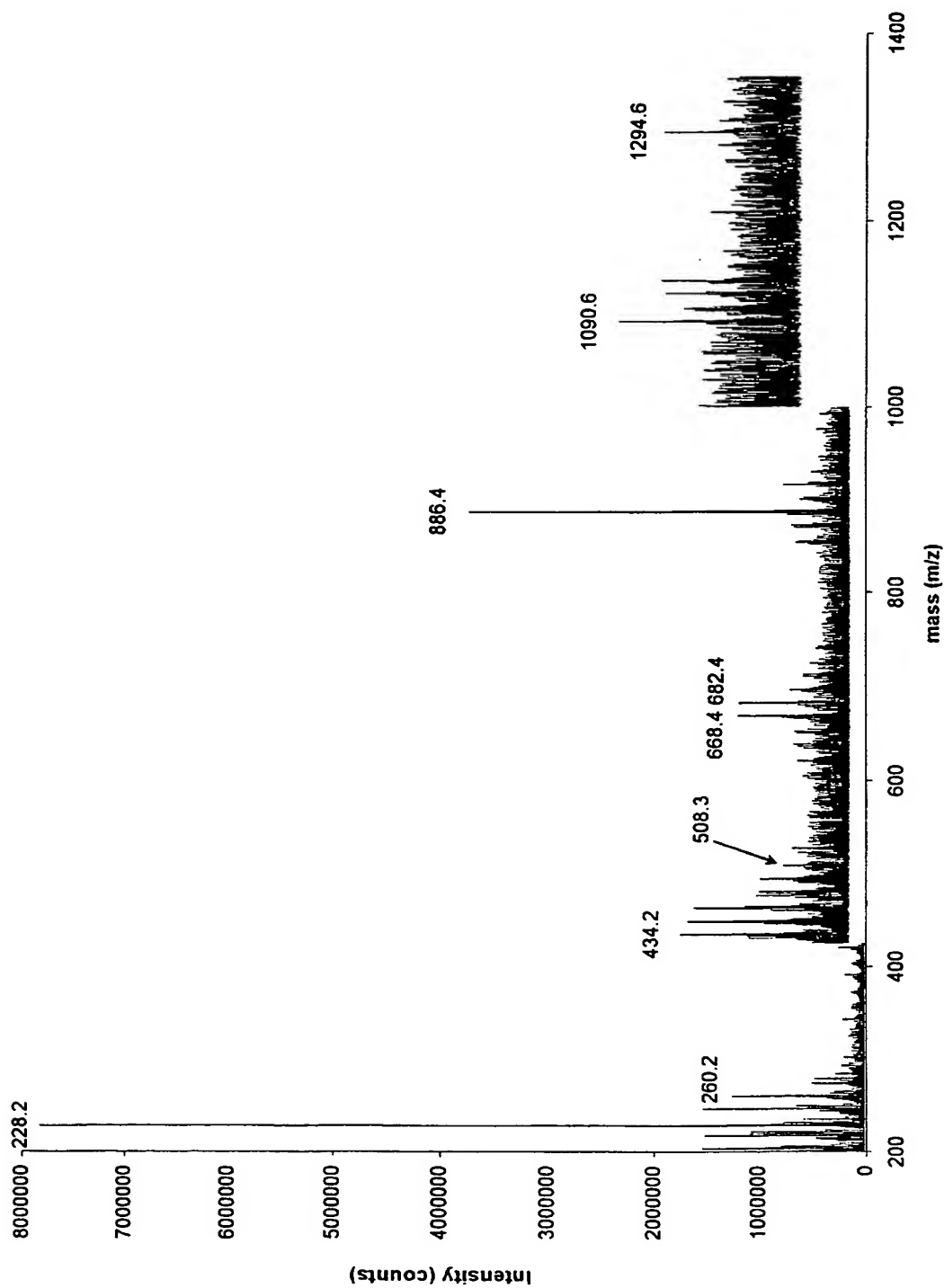
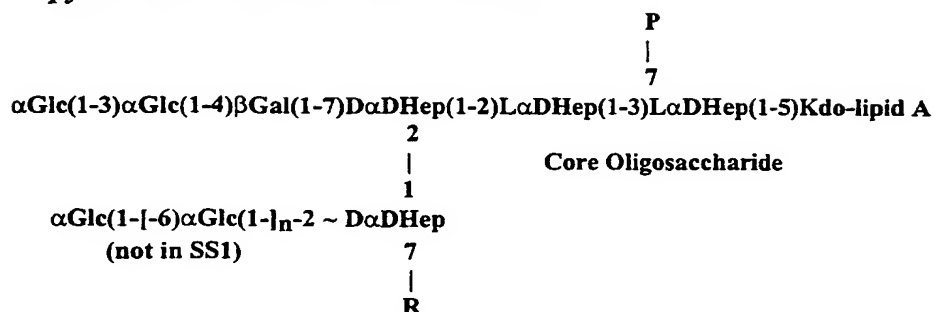
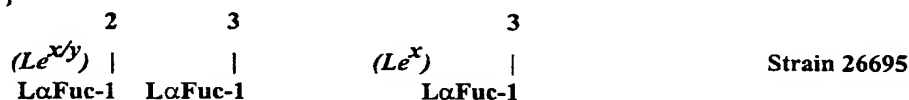


Fig. 2

3/5

H. pylori* 26695 and SS1 LPS structure.**O-chain regions***

R= $\beta\text{Gal}(1-4)\beta\text{GlcNAc}(1-[-3])\beta\text{Gal}(1-4)\beta\text{GlcNAc}(1-[-]_n-[-3])\text{DDHep}(1-, -2)\text{DDHep}(1-, -6)\text{DDHep}(1-[-])$



R= $\beta\text{Gal}(1-4)\beta\text{GlcNAc}(1-[-3])\beta\text{Gal}(1-4)\beta\text{GlcNAc}(1-[-]_n-$ Strain SS1

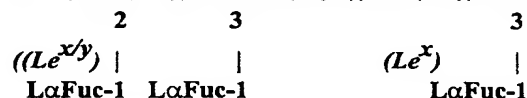
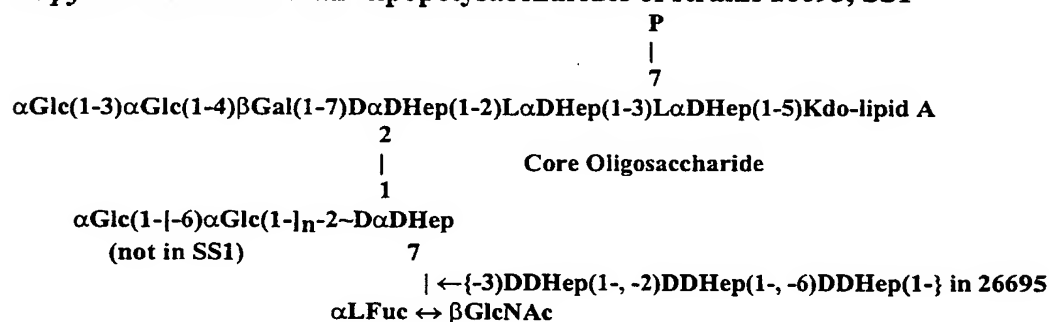
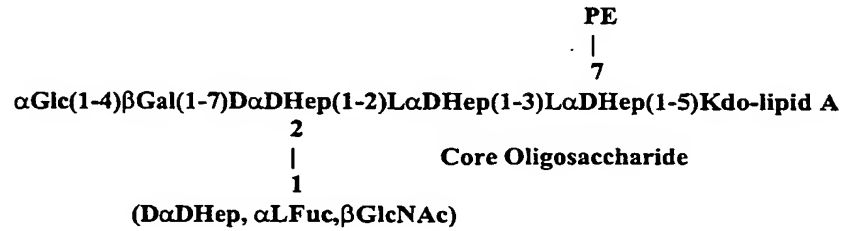
***H. pylori* HP0826 mutant lipopolysaccharides of strains 26695, SS1**

Fig. 3

4/5

H. pylori HP0159 mutant lipopolysaccharides of strains 26695 and SS1 .



H. pylori HP0479 mutant lipopolysaccharides of strains 26695 and SS1.

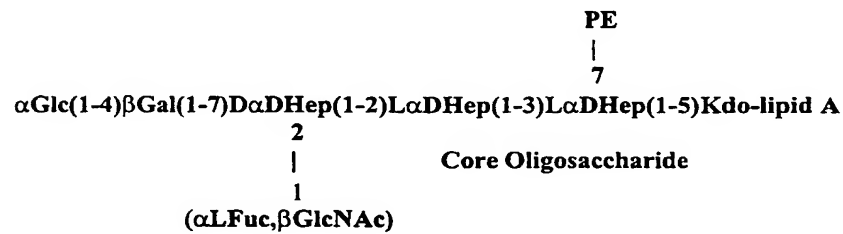


Fig. 3 (Cont.)

5/5

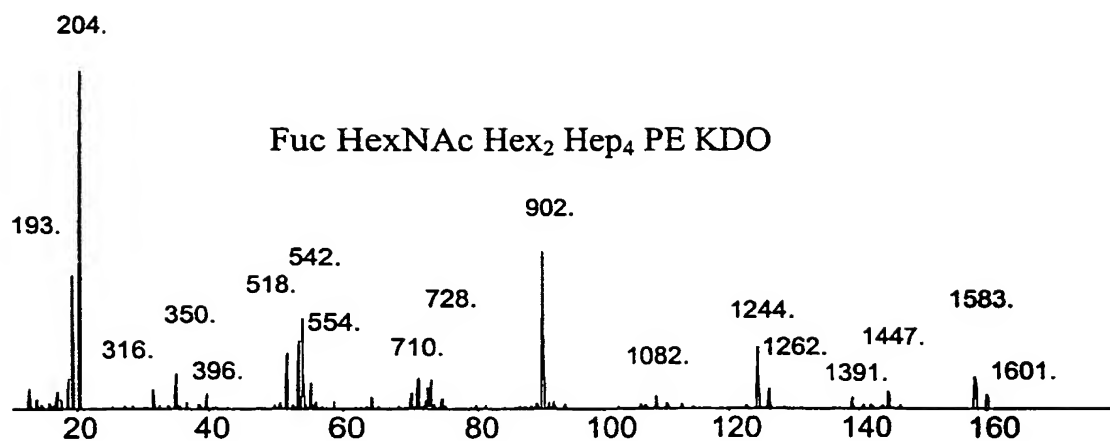


Fig. 4

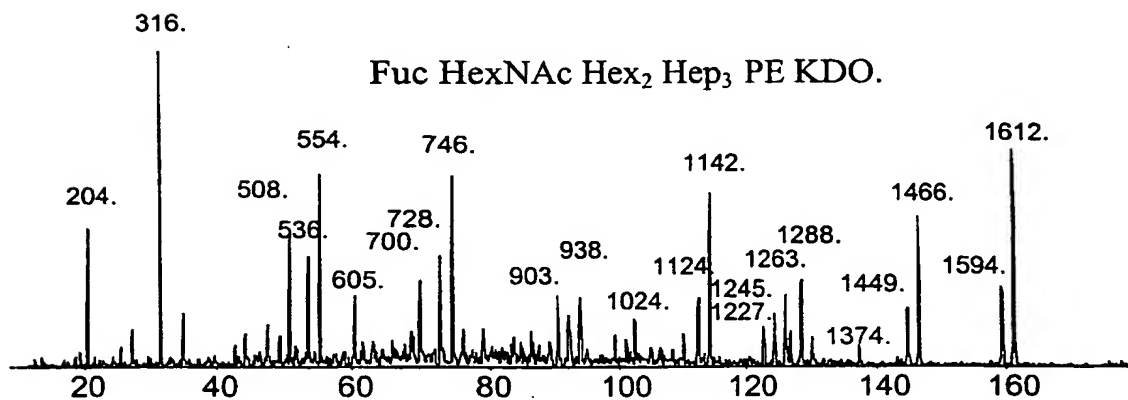


Fig. 5